REMARKS

Information Disclosure Statement

An Information Disclosure Statement (IDS) is being filed concurrently herewith. Entry of the IDS is respectfully requested.

CONCLUSION

In view of the amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone call would expedite the prosecution of this case, the Examiner is invited to call the undersigned at (508) 416-2475.

Respectfully submitted,
BOWDITCH & DEWEY, LLP

Thomas O. Haavar

Thomas O Hooyer

Registration No.: 32,470

Direct tel.: (508) 416-2475 Telephone: (508) 879-5700 Facsimile: (508) 929-3073

Bowditch & Dewey, LLP 161 Worcester Road P.O. Box 9320 Framingham, Massachusetts 01701-9320

Amendments to the Drawings:

Figs. 1A, 1C, 6, 9, 10, 11A, 11B, 12, 13A, 13B, 15, 17, 18 and 19 are being amended to correct typographical errors and to make changes necessary for formal drawings. Amendments to Figs. 1A, 1C, 6, 9, 10, 11A, 11B, 12, 13A, 13B, 15, 17, 18 and 19 are indicated on the attached Annotated Sheets of drawings.

The attached Replacement Sheets of drawings includes changes to Figs. 1A, 1C, 6, 9, 10, 11A, 11B, 12, 13A, 13B, 15, 17, 18 and 19 and replaces original Figs. 1A, 1C, 6, 9, 10, 11A, 11B, 12, 13A, 13B, 15, 17, 18 and 19. Fig. 14 included on the Replacement Sheet is not currently being amended.

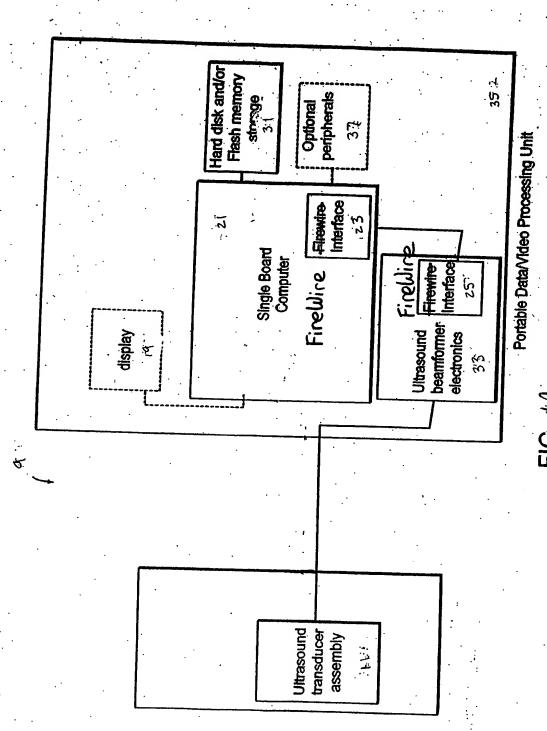
Comments on the Drawings:

Transmitted herewith are Replacement Sheets of drawings (Figs. 1B, 2-5, 7-8, 14, 16 and 20) for filing in the subject application.

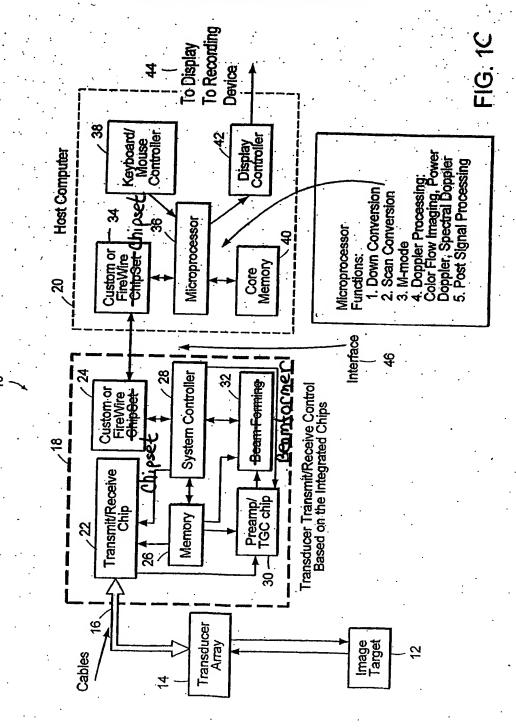
Drawings are being presented in a formal format as replacement drawings. No new subject matter is being introduced.

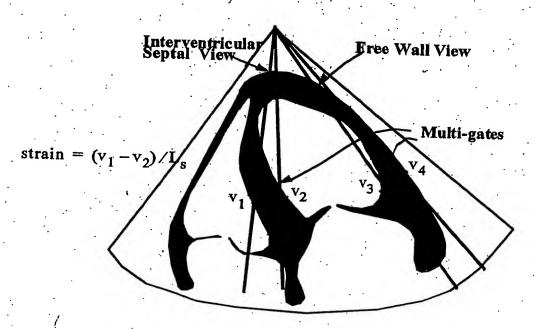
Acceptance of the replacement drawings is respectfully requested.



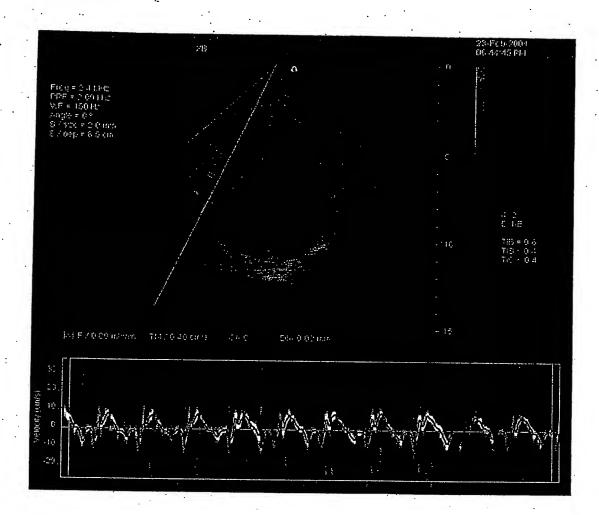


BEST AVAILABLE CO.



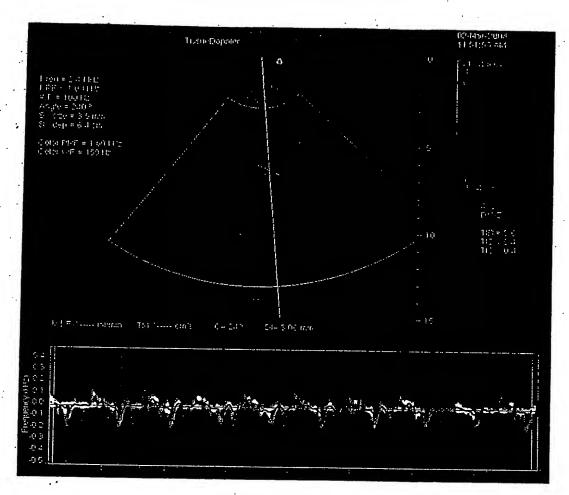


Measurement of Strain Rate by using Multi-direction PW Spectral Doppler-lines



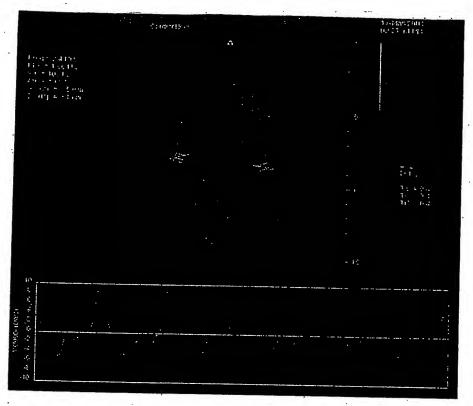
Pulsed Wave Tissue Doppler image

ANNOTATED SHEET SHOWING CHANGE



· · · Triplex Tissue Doppler

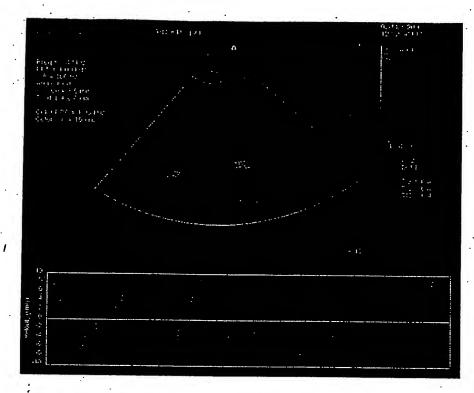
Fig. 10



- Duplex with two spectral-lines one each on septal and lateral-free walks the graphs displayed are mean velocity.

Fig. 11 A

ANNOTATED SHEET SHOWING CHANGE



Triplex with two spectral lines one each on septal and lateral free walls, the graphs displayed are mean velocity.

Fig. 11B

ANNOTATED SHEET SHOWING CHANGE

Apical Four-Chamber-Duplex or Triplex Tissue Doppler Imaging

- * At least two PW Spectral Doppler Views,
 - At least one each at interventricular Septal wall and Free Wall
- Multi-gate structure along each PW Spectral view-
 - Regional wall movement can be displaced at each range gate position-
 - Global movement/displacement of each wall can be obtained by averaging
- over those range gates-

. . .

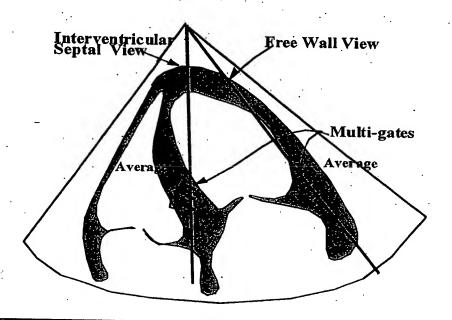
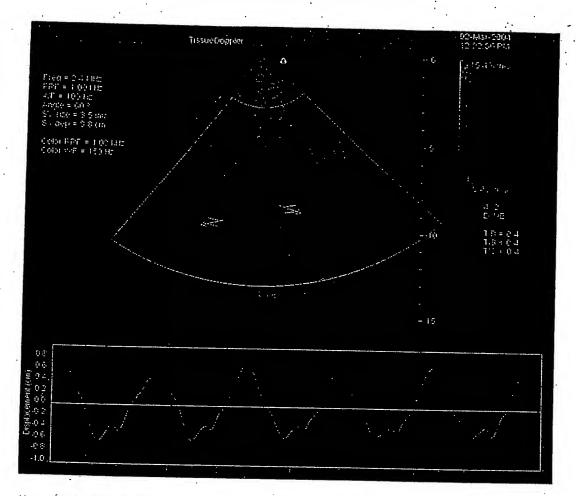


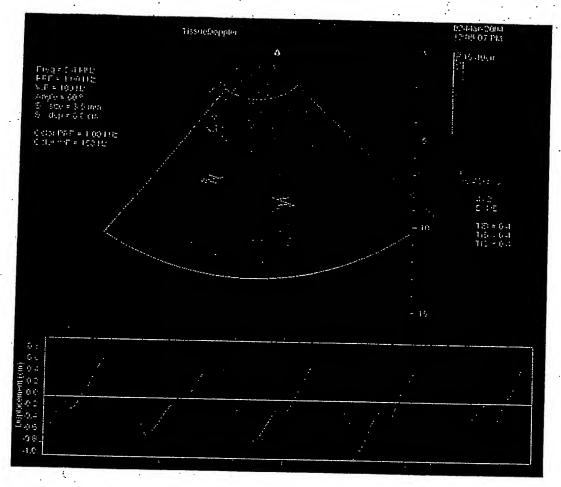
Fig 12

ANNOTATED SHEET SHOWING CHANGE



Triplex with two spectral lines one each on septal and lateral-free walls, the

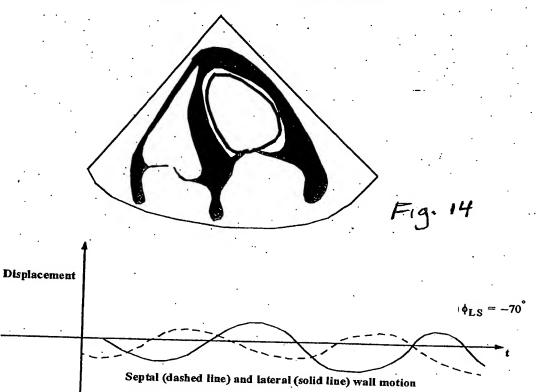
Fig. BA



ac. ' Another example of Displacement detection-

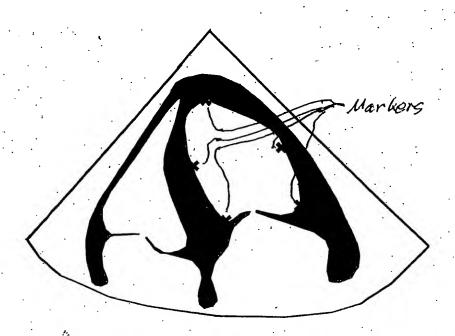
Fig. 13B

ANNOTATED SHEET SHOWING CHANGE

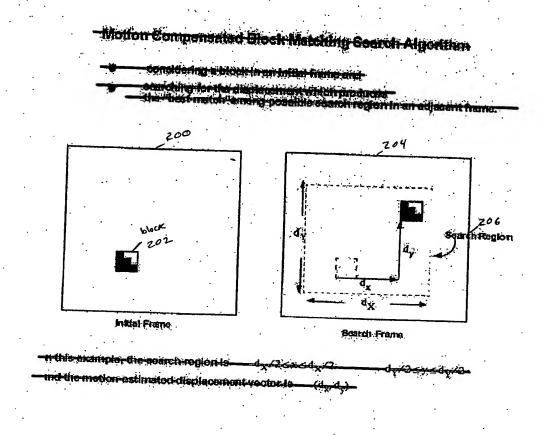


Automatic Border detection allows continuously detect and track the interventracular Septal Wall and Lateral Free Wall movement.

Fig. 15

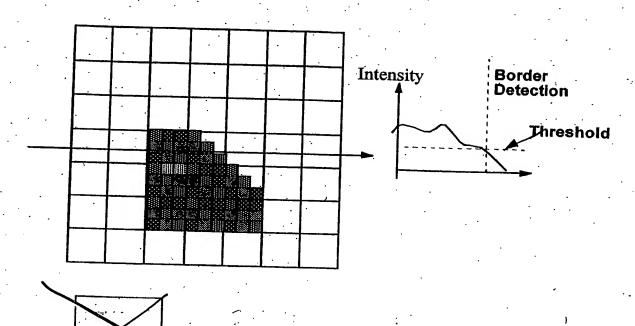


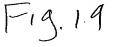
Manually-placed-5-anchor-point-on-a-4-Chamber-Apical-view-B-modeimage.



ANNOTATED SHEET SHOWING CHANGE

Block Intensity Guided Border Detection-Technique—





This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

| BLACK BORDERS
| IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
| FADED TEXT OR DRAWING
| BLURRED OR ILLEGIBLE TEXT OR DRAWING
| SKEWED/SLANTED IMAGES
| COLOR OR BLACK AND WHITE PHOTOGRAPHS
| GRAY SCALE DOCUMENTS
| LINES OR MARKS ON ORIGINAL DOCUMENT
| REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

■ OTHER: ______

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.